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FORTY-FIFTH ANNUAL CATALOGUE  
OF  
Lebanon Valley College  
The Conservatory of Music  
and The Academy

ANNVILLE, PA.

1911

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PRESS OF  
HIESTER PRINTING AND PUBLISHING CO.  
ANNVILLE, PA.

**CALENDAR****1910-1911**

1910

September 14, Wednesday, College year began.

November 24, Thursday, Anniversary of Clionian Literary Society.

December 21, Wednesday, Christmas vacation began.

1911

January 4, Wednesday, Christmas vacation ended.

January 23, Friday, First Semester ended.

January 30, Monday, Second Semester began.

April 7, Friday, Anniversary of Kalozetean Literary Society.

May 5, Friday, Anniversary of Philokosmian Literary Society.

May 24-26, Senior Final examinations.

May 30-June 2, Final examinations.

June 4, Sunday, 10:30 a. m., Baccalaureate Sermon.

7:30 p. m., Address before the Christian Associations.

June 5, Monday, 7:45 p. m., Exercises by Graduating Class in Music.

June 6, Tuesday, 9:00 a. m., Annual Meeting of the Board of Trustees.

7:45 p. m., Junior Oratorical Contest.

9:00 p. m., Alumni Banquet and Re-union.

June 7, Wednesday, 10:00 a. m., Forty-fourth Annual Commencement.

**1911-1912**

1911

September 11 and 12, Examination and registration of students.

September 13, Wednesday, College year begins.

November 23, Thursday, Anniversary of Clionian Literary Society.

November 23 and 25, Thanksgiving Recess.

December 21, Thursday, Fall Term ends.

1912

January 3, Wednesday, Winter Term begins.

January 22-26, Mid-year examinations.

January 25, Thursday, Day of Prayer for Colleges.

January 26, Friday, First Semester ends.

January 29, Monday, Second Semester begins.

February 11, Sunday, Day of Prayer for students.

February 22, Thursday, Washington's Birthday.

March 22, Friday, Winter Term ends.

March 25, Monday, Spring Term begins.

April 3, 7:45 a. m. to April 10, 8:45 a. m., Easter Recess.

June 12, Wednesday, Forty-sixth Annual Commencement.

## FACULTY AND OFFICERS

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REV. LAWRENCE KEISTER S. T. B., D. D.

*President*

JOHN EVANS LEHMAN, A. M.

*Professor of Mathematics and Astronomy*

HIRAM HERR SHENK, A. M., DEAN

*Professor of History and Political Science*

SAMUEL HOFFMAN DERICKSON, M. S., SECRETARY

*Professor of Biological Sciences*

REV. ALVIN E. SHROYER, B. D.

*Professor of Greek, and Instructor in Bible*

LOUISE PRESTON DODGE, PH. D.

*Josephine Bittinger Eberly Professorship of Latin  
Language and Literature*

*Professor of French*

HENRY E. WANNER, B. S.

*Professor of Chemistry and Physics*

MARY E. SLEICHTER, A. M.

*Professor of German*

C. C. PETERS, A. M.

*Professor of Philosophy and Education*

SARAH RUSH PARKS, A. M.

*Professor of English*

HARRY EDGAR SPESSARD, A. M.

*Principal of the Academy*

**FACUTLY AND OFFICERS**

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E. EDWIN SHELDON, Mus. M.  
*Director of the Conservatory of Music*

IDA MANEVAL SHELDON, Mus. B.  
*Pianoforte, Harmony, Musical History*

ETHEL IRENE BROWN  
*Voice Culture*

FREDS WEISS LIGHT  
*Violin*

FLORENCE S. BOEHM  
*Instructor in Art*

MAY BELLE ADAMS  
From Emerson School of Oratory  
*Oratory and Physical Culture*

FRANCIS R. KENNEDY  
*Laboratory Assistant in Biology*

ROGER B. SAYLOR  
*Instructor in Physics*

ARTUS O. KAUFFMAN  
FLORENCE CLIPPINGER  
ELIZABETH AGNES LAU  
EARL SPESSARD  
*Teachers in Academy*

REV. HENRY B. SPAYD  
*College Pastor*

## HISTORY OF THE COLLEGE

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LEBANON VALLEY COLLEGE originated in the action of East Pennsylvania Conference at its annual session held at Lebanon in March, 1865. Resolutions were passed deciding the question of establishing a higher institution of learning to be located within the bounds of the East Pennsylvania or of the Pennsylvania Conference. One year later the committee appointed, recommended in its report: First, the establishment of a school of high grade under the supervision of the church; second, to accept for this purpose the grounds and buildings of what was then known as the Annville Academy, tendered as a gift to the Conference; and, third, to lease the buildings and grounds to a responsible party competent to take charge of the school for the coming year. School opened May 7, 1866, with forty-nine students. By the close of the collegiate year one hundred and fifty-three were enrolled, thus demonstrating at once the need of such an institution in this locality and the wisdom of the founders.

In April, 1867, the Legislature granted a charter with full university privileges under which a College faculty was organized with Rev. Thomas Rees Vickroy, Ph. D., as president, and Prof. E. Benjamin Bierman, A. M., as principal of the Normal Department. The same year the Philokosmian Literary Society was organized by the young men, additional land was purchased and a large brick building erected thereon with chapel, recitation rooms, president's office, and apartments for sixty boarding students. The building was not furnished and fully occupied till the fall of 1868.

The first regular commencement occurred June 16, 1870, when the first three graduates, William B. Bodenhorn, Albert C. Rigler, and Mary A. Weiss received their diplomas.

About two years later opposition to the school manifested itself and President Vickroy stated in his report to the annual Conference that the attendance of students was reduced from one hundred to seventy-five, and the cause of this diminution was persistent opposition on the part of certain brethren.

President Vickroy directed the affairs of the institution for five years, from 1866 to 1871. During his administration the charter was prepared and granted by the State Legislature, the laws and regulations for the internal workings framed and adopted, the curriculum established, and two classes—those of 1870 and 1871—were graduated. In June, 1871, Prof. Lucian H. Hammond was elected president. During his term of office five classes were graduated, the Clonian Literary Society

organized by the ladies, and the College made steady and substantial progress, but failing health compelled him to resign in June, 1876.

Rev. David D. DeLong, D. D., became the third president. He found it necessary to reconstruct the faculty and retained but two of the former teachers. The Kalozetean Literary Society was instituted to awaken interest in literary work among the young men by means of a healthy rivalry, and the music department was organized. In the summer of 1883 a large two-story frame building was erected on College Avenue, containing art room, music rooms, the department of natural science, a museum and the College library. During his presidency one-hundred and seven students were graduated, fourteen in music and ninety-three in the literary department.

After an interregnum of several months Rev. Edmund S. Lorenz, A. M., was elected president and took up the work with energy and ability. Enlargement with his motto and the friends of the College rallied to his support. Post graduate studies were offered. The College Forum made its appearance under the editorship of the Faculty. With a devotion that won the admiration of his friends he labored incessantly for nearly two years to make the College the peer of any in the State, but under this strain his health failed and he was obliged to retire at the close of the collegiate year of 1889.

The fifth president, Rev. Cyrus J. Kephart, D. D., assumed the duties of his office at the opening of the fall term in 1889. He secured creditable additions to the endowment fund but because of discouraging conditions declined re-election at the close of the first year.

The question of re-locating the College agitated its constituency, divided its friends and greatly hindered its progress. Some were almost in despair, others were indifferent, while others hoped and waited for the best. Under these conditions the Board of Trustees met in special session July 28, 1890, and called Dr. E. Benjamin Bierman to the presidency. He was inaugurated on the evening of the sixth of November following. Buildings were renovated, a large number of students enrolled and the Mary A. Dodge Fund of ten thousand dollars received, "the interest of which only is to be loaned without charge to such pious young people as the Faculty of the College may deem worthy of help as students." The Silver Anniversary of the College was celebrated June 15, 1892, when money was raised to purchase about three acres of ground to be added to the college campus. With the experience of twenty-five years of earnest effort to combat opposition and overcome error and misconceived notions of higher education and to build up an institution of learning creditable to the United Brethren Church, the



friends of the College entered upon the second quarter of a century with new hope and aspiration.

President Bierman served successfully until the spring of 1891, when he was succeeded by Rev. Hervin U. Roop, Ph. D., who held the office till Jan. 1, 1906, after which time the administration was in the hands of the Executive Committee and the Faculty until the election of Rev. A. P. Funkhouser, A. M., March 9, 1906.

The presidency of Dr. Roop stands out as the period when the group system in the College curriculum was introduced, when the athletic field was acquired, when the disastrous fire of December 24, 1904, occurred, sweeping away the Administration Building in a few hours, and when several new buildings arose on the campus—Engle Music Hall 1899, and the Carnegie Library and Ladies' Dormitory in 1904. The recuperative powers of the institution were put to the test by the destruction of the main building. At a meeting held January 5, 1905, the friends of the College, resolved, amid unusual enthusiasm to rebuild at once and with the stimulus of a gift of fifty thousand dollars from Andrew Carnegie received by the President, who had previously secured \$20,000 from the same source plans were matured by which to raise one hundred thousand dollars for this purpose. The erection of three new buildings was projected—the Men's Dormitory, the Central Heating Plant and the new Administration Building, the latter being completed under the supervision of President Funkhouser, whose term of office is marked also by a strenuous effort to straighten out the tangled threads in the financial skein and to meet the debt which rose to almost or altogether ninety thousand dollars. Bonds were issued to the amount of fifty thousand dollars and the co-operative college circles organized to relieve the financial conditions.

Rev. Lawrence Keister, S. T. B., D. D., was elected president of the College, June 10, 1907, at the annual session of the Board of Trustees. During his first year he solicited the money to secure the much needed equipment for the Science Department. The debt effort authorized by the Board, June 3, 1908, was carried forward successfully, \$50,000 having been pledged, before Jan. 1, 1909, according to the condition of the pledge which also required the continuation of the canvass to secure another \$50,000 in order to cover the entire debt. At the death of the Rev. Daniel Eberly, D. D., July 9, 1910 whose will bears date of September 17, 1909 the College came into possession of property valued at about \$45,000, the major part being given for the endowment of the Latin Chair.

## GENERAL INFORMATION

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The College is situated in Annville, which is on the Harrisburg division of the Philadelphia and Reading Railway. Annville is also connected by trolley line with Lebanon and Harrisburg.

### Buildings and Grounds

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There are seven buildings on the campus, the Carnegie Library, the Engle Music Hall, the Women's Dormitory, the Men's Dormitory, the Academy Building, the Administration Building, and the Heating Plant.

THE CARNEGIE LIBRARY, a building of the Gothic style of architecture, erected in 1904, furnishes commodious quarters for the growing library of the College. Each department has its particular books for reference in addition to the larger number of volumes for general reference and study. An annual amount is appropriated by the Board of Trustees for the purchase of new books, and plans are being made for the enlargement of the library in order to meet the growing needs of the College.

Two large reading rooms on the first floor, splendidly lighted and ventilated, and beautifully furnished, are provided with the leading magazines and daily papers. Periodicals devoted to the special work of each department are here, as well as magazines of general literature. On the second floor are six seminar rooms designed to be equipped with the special works of reference for the various departments, where students doing the most serious work may study undisturbed.

THE ENGLE MUSIC HALL, of Hummelstown brownstone, erected in 1899, contains the college chapel, used for all large college gatherings, a director's office and studio, practice rooms, and a large society hall. The building is well equipped with pianos and a large pipe organ.

THE WOMEN'S DORMITORY was erected in 1905, and is a building of beautiful proportions. In addition to rooms which will accommodate forty-five students, there are a society hall, a dining hall, a well equipped kitchen, and a laundry.

THE MEN'S DORMITORY is a modern structure of brick with Indiana limestone trimmings. It contains single and double rooms and sixteen suites of two bed rooms with a separate study room. These afford accommodations for eighty-five students. This building was also erected in 1905.

THE ACADEMY BUILDING, the original building of the institution, and acquired by gift in 1866 when the College was founded, is now used as a dormitory.

THE HEATING PLANT, erected in 1905, is in harmony with the buildings above described. It contains a low pressure heating system of the most perfect construction and supplies the heat for all the buildings on the campus. It is constructed with a view to the installation of a light plant.

THE ADMINISTRATION BUILDING is the most important and central of the buildings. It is built of buff brick with terra cotta trimmings, three stories high. It contains the recitation rooms of the College and the laboratories of the science department. The department of art has here commodious and modern quarters. The administration offices of fire proof construction are on the first floor.

To accomodate all these buildings, the campus, originally of ten acres, has been recently enlarged by purchase. It occupies a high point in the centre of the town of Annville and is within easy access of all trolley and railroad lines.

The athletic field of five and one-half acres is well located and admirably adapted to the purpose for which it is intended. On it are erected a grand stand and bleachers.

## Laboratories

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The entire northern half of the Administration Building is occupied by the department of science. The Department of Chemistry occupies the first floor; Physics the second, and Biology the third.

The laboratories of each department are constructed after the most approved modern methods, and students find everything arranged for their convenience. Stock rooms and special laboratories adjoin the general laboratories. The lecture rooms are provided with risers and Columbia tablet arm chairs. (See floor plan page 34.)

## Religious Work

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Recognizing that most of its students come from Christian families, the College has always tried to furnish religious training. It believes in cultivating the heart as well as the mind, and encourages all wholesome means of promoting Christian influence.

Each school morning, a regular service is held in the college chapel, at which the students are required to be present. At this service there is singing, reading of Scripture, and prayer. Members of the Faculty conduct this service.

A student's prayer meeting is held once a week, and opportunities for Bible study and mission study are offered by the Christian Associations in addition to those afforded by the regular curriculum.

All resident students of the College are required to attend public worship in churches of their choice every Sunday.

The religious life during the past year has been earnest and helpful, and patrons may feel satisfied that high moral influences are being exerted constantly over their children.

## College Organizations

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### **Christian**

#### **Associations**

The College has flourishing Young Men's and Young Women's Christian Associations, which hold regular weekly devotional services and conduct special courses of Bible and mission study, often in charge of members of the Faculty.

Under these auspices numerous public lectures, entertainments, and socials are held, so that they contribute incalculably to the pleasure of the student body. They are the centre of the spiritual welfare of the students and deserve the hearty support of all connected with the College.

### **Literary**

#### **Societies**

Excellent opportunities for literary improvement and parliamentary training are afforded by the societies of the College. There are three of these societies—one sustained by the young ladies, the Clonian, and two by the young men, the Kalozetean and the Philokosmian. They meet every Friday evening in their well furnished halls for literary exercises consisting of orations, essays and debates. These societies are considered valuable agencies in college work, and students are advised to unite with one of them.

### **Biological**

#### **Field Club**

The Biological Field Club offers to any student of the College an opportunity to collect, study, and discuss objects of interest in the field of living nature. Frequent excursions are made to places of special interest to members of the club.

**Athletic****Association**

The Athletic Association is composed of all students and others connected with the College, who pay the required athletic fee. It elects, besides its own officers, the managers of the various athletic teams.

The direct supervision of athletics is in the hands of the committee of the association, called the executive board of athletics. This board is made up of seven members as follows: Two members of the Faculty of the College; the president of the association, who is ex-officio president of the board; the baseball, football, and basket-ball managers, and the treasurer of the association.

**The Mathematical****Round Table**

The Mathematical Round Table is an organization of the students of the College who are interested in Mathematical Studies. It has been in successful operation for over a year. Its object is to create interest in and love for the "exact science." Its meetings are held on the last Wednesday evening of each month. Papers on mathematical history and biography are read and discussed. Current events in the mathematical world and papers on various mathematical subjects have made the meetings very interesting and helpful.

**Modern Lan-****guage Club**

In order to stimulate interest in the study of the modern languages, at the request of the junior and senior students of the modern language group, a club has been formed under the direction of the adviser of the group. The club meets every third Saturday afternoon or evening as occasion suggests. Student programs alternate with lectures by the teachers in the department.

## **Literary and Musical Advantages**

During the college year, the student body has the privilege of hearing lectures and talks delivered by resident professors and men of note in church and literary circles.

The department of music together with the department of public speaking presents a number of programs during the year for the pleasure and benefit of the general student body. Concerts and recitals by prominent musicians are given under the patronage of the department of music with the aim of creating in the student an appreciation for the best in art.

There is a lively interest in the drama. Various college organizations have presented Shakespearean and other plays of a high grade.

A further means of enjoyment and education is the course of lectures and concerts under the management of the Christian associations of the College.

## Administration

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**Advisers** The following are the advisers for the students in each of the five groups in which courses of instruction are offered: For the classical group, Professor Shroyer; for the mathematical-physical, Professor Lehman; for the chemical-biological; Professor Derickson; for the historical-political, Professor Shenk; for the modern language, Professor Dodge; for the freshman class, Professor Shenk and for the Academy, Professor Spessard. The students of each group are amenable to the adviser in all matters of conduct, study and discipline. He is to grant leave of absence, permission to go out of town, and excuses. His approval is necessary before a student may register for or enter upon any course of study, or discontinue any work. He is the medium of communication between the Faculty and the students of his group, and in a general way stands to his students in the relation of a friendly counsellor.

**Discipline** It is earnestly desired that students may be influenced to good conduct and diligence by higher motives than fear of punishment. The sense of duty and honor, the courteous and general feelings natural to young men and women engaged in literary pursuits, are appealed to as the best regulators of conduct. It is the policy of the administration to allow in all things as much liberty as will not be abused, and the students are invited and expected to coöperate with the Faculty; but good order and discipline will be strictly maintained and misconduct punished by adequate penalties. The laws of the College are as few and simple as the proper regulation of a community of young men and women will permit. The College will not place its stamp or bestow its honors upon anyone who is not willing to deport himself becomingly. No hazing of any kind will be permitted. Every unexcused absence from any college duty, every failure or misdemeanor of a student is reported to the Faculty, and a record made of the same.

**Classification** The maximum number of hours, conditioned, permitted for senior standing is four; for junior standing, six, for sophomore, eight, and for freshmen, to be decided for individual students by the committee on classification.

The permitted number of extra hours of work above that prescribed by the curriculum is limited by the student's record for previous years as follows:

- (a) Majority of A's, nothing less than B—no limit.
- (b) Majority of B's, nothing less than C—four hours.
- (c) Lower record than (b)—no extra hours.

**Class Standing** The scholarship of students is determined by result of examinations and daily recitations combined. The grades are carefully recorded.

Reports of standing will be made to parent or guardian at the end of each term when desired by them, or when the Faculty deems it expedient. The standing is indicated generally by classification in six groups, as follows:

- A signifies that the record of the student is distinguished.
- B signifies that the record of the student is very good.
- C signifies that the record is good.
- D signifies the lowest sustained record.

E (conditioned) imposes a condition on the student. Conditions incurred in January must be made up by June; conditions incurred in June must be made up by September. Failing to make up a condition at the time appointed is equal to a record F.

F (failed completely) signifies that the student must drop or repeat the subjects, and cannot be admitted to subjects dependent thereon.

If the student's record as a whole is poor, he may be required to repeat certain subjects, to repeat the year, or to withdraw.

**Degree and Diploma** The degree of bachelor of arts is conferred, by a vote of the Board of Trustees on recommendation of the Faculty, upon students who have satisfactorily completed any of the groups.

**Graduate Work** Since all its members are fully occupied with undergraduate work, the Faculty deems it unwise to offer any work for the degree of Master of Arts during the coming year. In rare cases sufficient resident work upon certain advanced courses may be outlined. But as special action would be required in each case, no detailed announcement can be made here. All inquiries about graduate work should be addressed to the Dean.

## Scholarships

The College offers a limited number of one-hundred-dollar free tuition scholarships to honor graduates of State normal Schools and ap-

proved high schools and academies. One scholarship is allotted to the first honor graduate of our own academy.

Graduates of high schools and academies whose standard is not equal to that of our own academy, may enter the senior year of the academy and become competitors for our own academy scholarship.

Honor graduates of preparatory schools who have conditions may be allowed to make them up in the freshmen year. If the first semester's work shows a majority of A's and nothing less than B in all work including conditions, a scholarship may be awarded.

The Bishop J. S. Mills' scholarship established by a gift of \$1000 is available.

The proceeds of the Eberly farm may be available for "indigent students" in 1911-12.

The Faculty and Executive Committee shall make all scholarship awards.

## **Expenses**

### **COLLEGE AND ACADEMY**

MATRICULATION FEE.....\$ 5 00

TUITION, If paid in advance..... 50 00

If not paid in advance..... 60 00

For twenty hours or less in the College, or, for twenty-four hours or less in the Academy. Each additional hour per semester, \$1.50.

LABORATORY FEES, per semester:

Biology 1-a.....\$2 00

Biology 1-b..... 6 00

Biology 2..... 6 00

Biology 3..... 5 00

Biology 4..... 5 00

A deposit of \$2.00 is required of each student who is assigned a locker in the biological laboratory as a guarantee of the care and return of the keys and apparatus. The treasurer will refund the deposit when a certificate from the department is presented stating that the keys have been returned in good condition.

Elementary Chemistry.....\$4 00

Chemistry 1..... 6 00

Chemistry 2..... 7 00

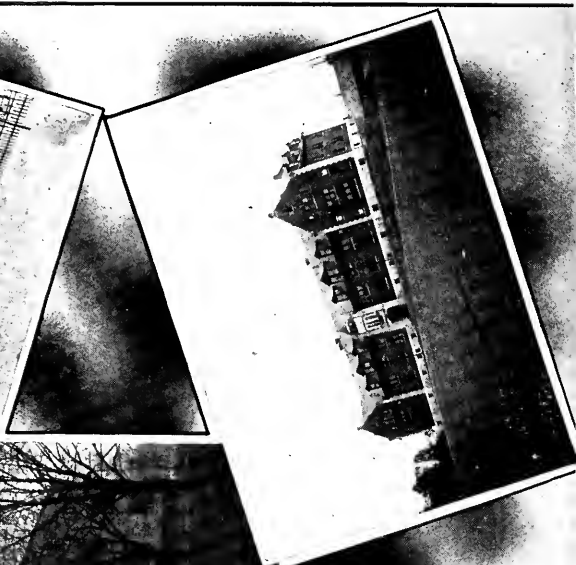
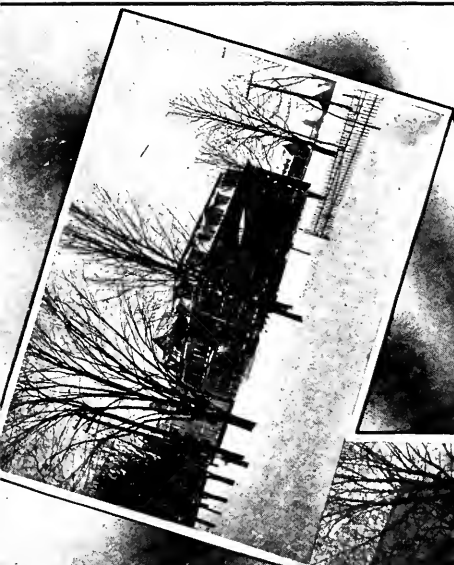
Chemistry 3..... 6 00

Chemistry 4..... 5 00

Chemistry 5.....10 00







A deposit of \$3.00 is required of each student who is assigned a locker in the chemical laboratory. Any part of this breakage deposit unused will be refunded at the end of the course.

Physics 3.....\$5 00

Elementary Physics..... 3 00

All laboratory fees and deposits for each semester must be paid in advance. A student will not be assigned a locker or apparatus in any of the laboratories without a certificate from the treasurer of the College stating that the fee has been paid and the deposit made.

GRADUATION FEE, payable thirty days prior to commencement, \$10.00.

#### TABLE BOARD AND ROOM RENT

TABLE BOARD—Regular students, paid in advance \$3.25 a week; \$120 a year, not in advance \$3.90 a week; \$144 a year.

Five-day students, when paid in advance \$2.40 a week; \$88.00 a year, not in advance \$2.88 a week; \$105.60 a year.

ROOM RENT—Paid in advance \$40 to \$60 a year, according to location of room. When not paid in advance \$48 to \$72.

These rates are fixed by a special order of the Board of Trustees.

The rate for payment in advance may be secured by paying one-fifth at the opening of the Fall term; one-fifth at the middle of the Fall term; three-tenths at the opening of the Winter term; three-tenths at the opening of the Spring term. The higher rate will be charged after ten days from the day a bill is due.

Failure to pay one bill before a second falls due will exclude a student from classes.

### Requirements for Admission

The College offers five groups of studies leading to the degree of Bachelor of Arts, as follows: The Classical, the Mathematical-Physical, the Chemical-Biological, the Historical-Political and the Modern Language. Students are admitted to the Freshman Class on examinations, on certificates of approved high and preparatory schools, and on the certificates of the College Entrance Board.

Full information concerning the cost, place, etc., of this Board's examinations may be had upon application to the Secretary of the College Entrance Examination Board, Post-office Sub-station 84 New York.

A candidate should have preparation according to the following general outline:

For all groups, English, 4 years; Latin, 4 years, (prose composition each year;) German, 2 years; English History and Civics, 1 year; Greek

and Roman History, 1 year; Algebra, 2 years; Plane Geometry, 1 year; Solid Geometry,  $\frac{1}{2}$  year; Physics, 1 year.

N. B.—For the Classical Group, Greek 1 year, (instead of Physics.)

## Entrance Subjects in Detail

### ENGLISH

#### English A.

The ability to write good English is the one necessary requirement. Candidates will be expected to answer general questions testing their knowledge of the following list of Classics.

FOR THE YEARS 1909, 1910, 1911; Group I, (Two to be selected.)

Shakespeare's *As you Like It*, *Henry V.*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth night*.

Group II. (One to be selected.)

Bacon's *Essays*, Bunyan's *Pilgrim's Progress* Part I, *The Sir Roger De Coverly Papers in the Spectator*, Franklin's *Autobiography*.

Group III. (One to be selected.)

Chaucer's *Prologue*, Spenser's *Faerie Queen* (selections), Pope's *The Rape of the Lock*, Goldsmith's *The Deserted Village*, Palgrave's *Golden Treasury* (First Series) Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper, and Burns.

Group IV. (Two to be selected.)

Goldsmith's *The Vicar of Wakefield*, Scott's *Ivanhoe*, Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*, Thackeray's *Henry Esmond*, Mrs. Gaskell's *Cranford*, Dickens's *A Tale of Two Cities*, George Eliot's *Silas Marner*, Blackmore's *Lorna Doone*.

Group V. (Two to be selected.)

Irving's *Sketch Book*, Lamb's *Essays of Elia*, De Quincey's *Joan of Arc*, and the *English Mail Coach*, Carlyle's *Heroes and Hero Worship*, Emerson's *Essays* (selected), Ruskin's *Sesame and Lilies*.

Group VI. (Two to be selected.)

Coleridge's *The Ancient Mariner*, Scott's *The Lady of the Lake*, Byron's *Mazeppa* and the *Prisoner of Chillon*, Palgrave's *Golden Treasury* (First Series) Book IV., with especial attention to Wordsworth, Keats, and Shelley, Macaulay's *Lays of Ancient Rome*, Poe's *Poems*, Lowell's *The Vision of Sir Launfal*, Arnold's *Sohrah and Rustum*, Longfellow's *The Courtship of Miles Standish*, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*, Browning's *Short Poems*.

#### English B.

Study and Practice—This part of the examination presupposes the thorough study of each of the works named below. The examination

will be upon subject matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:

For the years 1909, 1910, 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *II Penseroso*; Burke's *Speech on Conciliation with America*, or *Washington's Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

#### Latin.

The preparation in Latin should comprise the first four books of *Cæsar*, six orations of *Cicero*, and six books of *Virgil's Aeneid*. There should be four years of work in composition, and a study of prosody.

#### German.

Two years of work are required including easy prose composition and reading of at least 600 pages of moderately easy prose and poetry. Daily practice in writing German and careful drill in pronunciation is expected.

#### English History.

Walker's *Essentials of English History* or its equivalent.

#### Greek History.

To the fall of *Corinth*, and the history in brief of the more ancient countries.

#### Roman History.

The history of the Roman Republic and the Empire to the time of *Constantine*. Meyer's *Ancient History* or its equivalent.

#### Algebra.

As treated in the elementary text-books of Wells, Wentworth, Tanner, or equivalent. The time supposed to be devoted to the systematic study of this requirement is the equivalent of a course of three lessons a week through two school years.

#### Plane and Solid Geometry.

As treated by Wentworth, or an equivalent.

#### Physics.

As much as is contained in Carhart and Chute's *High School Physics*, or an equivalent. The laboratory work required must consist of at least forty exercises or experiments of the character given in the *National Physics Course*, or others similar to those in grade and method.

#### Elementary Greek.

White's *First Greek Book*, or equivalent.

Special Note—For more detailed information on entrance requirements see outlines of Academy courses.



# SOPHOMORE

## OUTLINE OF COURSES

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GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical		Chemical-Biological		Mathematical-Physical		Historical-Political		Modern Language	
<p>hrs.</p> <p>Greek 1c 3</p> <p>Latin 3 3</p> <p>English 2 1</p> <p>Philosophy 1 3</p> <p>History 1 3</p> <p>German 2, or } 3</p> <p>French 2, or } 2</p> <p>Bible 1</p>		<p>hrs.</p> <p>Biology 1b or } 4</p> <p>Chemistry 1 } 3</p> <p>Mathematics 3 3</p> <p>Philosophy 1 3</p> <p>English 2 1</p> <p>German 2 3</p> <p>French 2 3</p> <p>History 1 3</p> <p>Elective 3</p>		<p>hrs.</p> <p>Mathematics 3 3</p> <p>Chemistry 1 4</p> <p>Philosophy 2 3</p> <p>English 2 1</p> <p>German 2 3</p> <p>French 2 3</p>		<p>hrs.</p> <p>History 1 3</p> <p>English 2 1</p> <p>Philosophy 1 3</p> <p>Biology 1b, or } 4</p> <p>Chemistry 1 } 6</p> <p>Elective</p>		<p>hrs.</p> <p>English 2 1</p> <p>German 2 3</p> <p>French 2 3</p> <p>History 1 3</p> <p>Philosophy 1 3</p> <p>Biology 1b, or } 4</p> <p>Chemistry 1, or } 4</p> <p>Latin 2 and 3</p>	
<p>Greek 1c 3</p> <p>Latin 3 3</p> <p>English 2 1</p> <p>Philosophy 2 3</p> <p>History 1 3</p> <p>German 2, or } 3</p> <p>French 2 3</p> <p>Bible 1 2</p>		<p>Biology 1b, or } 4</p> <p>Chemistry 1 } 3</p> <p>Mathematics 3 3</p> <p>Philosophy 2 3</p> <p>English 2 1</p> <p>History 1 3</p> <p>Elective 3</p>		<p>Mathematics 3 3</p> <p>Chemistry 1 4</p> <p>Philosophy 2 3</p> <p>English 2 1</p> <p>German 2 3</p> <p>French 2 3</p>		<p>History 1 3</p> <p>English 2 1</p> <p>Philosophy 2 3</p> <p>Biology 1b, or } 4</p> <p>Chemistry 1 } 6</p> <p>Elective</p>		<p>English 2 1</p> <p>German 2 3</p> <p>French 2 3</p> <p>History 1 3</p> <p>Philosophy 2 3</p> <p>Biology 1b, or } 4</p> <p>Chemistry 1, or } 4</p> <p>Latin 2 and 3</p>	

First Semester

Second Semester

## JUNIOR

GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical		Chemical-Biological		Mathematical-Physical		Historical-Political		Modern Language	
hrs		hrs.		hrs.		hrs.		hrs.	
Greek I	3	Biology 1b, or	{	Mathematics 4	3	History 2	3	English 3	3
Latin 4	2	Chemistry 1		Physics 1	4	Economics 1	3	English 7	2
Philosophy 4	2	Biology 2 or	{	Chemistry 2	4	Philosophy 4	2	German 3	3
English 3	3	Chemistry 2		Astronomy	4	English 3	3	French 3	3
Economics I	3	Mathematics 4	{	Elective	2	Elective	6	Economics I	3
Biology 1b, or	{	Economics I		{	Elective	3	History 2	3	History 2
Chemistry 1, or		Elective	3						
Physics I	4								
hrs		hrs.		hrs.		hrs.		hrs.	
Greek I	3	Biology 1b, or	{	Mathematics 5	3	History 3	3	English 3	3
Latin 3	2	Chemistry 1		Physics I	4	Economics 2	3	English 8	2
Philosophy 4	2	Biology 2, or	{	Chemistry 3	4	Philosophy 4	2	German 3	3
English 3	3	Chemistry 3		Elective	6	English 3	3	French 3	3
Biology 1b, or	{	Mathematics 5	{	Elective	3	Elective	6	History 3	3
Chemistry 1, or		Elective							
Physics I	4							Elective	3
Elective	3								

First Semester	
Second Semester	



# SENIOR

## OUTLINE OF COURSES

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GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical		Chemical-Biological		Mathematical-Physical		Historical-Political		Modern Language	
hrs. Greek 2 3 Philosophy 5 2 History 4 3 Bible 3 2 Elective 6		hrs. Biology 3, or } Chemistry 6 } Physics I 4 Bible 3 4 Elective 2 6		hrs. Mathematics 7 3 Physics 2 4 Bible 3 2 Elective 7		hrs. History 4 3 History 5 3 Philosophy 5 2 Bible 3 2 Elective 6		hrs. English 9 3 Philosophy 5 2 Bible 3 2 Elective 1 9	
3 2 3 2 6		4 4 2 6		3 4 2 7		3 3 5 3 6		3 5 3 2 9	
Greek 2 3 Philosophy 5 2 History 4 3 Bible 3 2 Elective 6		Biology 4 or } Chemistry 6 } Physics I 4 Bible 3 2 Elective 6		Mathematics 8 3 Physics 2 4 Bible 3 2 Elective 7		History 4 3 History 6 3 Philosophy 5 2 Bible 3 2 Elective 6		English 10 3 Philosophy 5 2 Bible 3 2 Elective 9	
3 2 3 2 6		4 4 2 6		3 4 2 7		3 3 5 3 6		3 5 3 2 9	

For elective studies not mentioned in the outline of courses see description of courses under Department of Instruction, page 25 to 42.

## DEPARTMENTS OF INSTRUCTION

### Philosophy

PROFESSOR PETERS.

As there is no such thing as final authority in Philosophy every student in this department will be urged to react upon both the text books to which he is referred and to the opinions submitted by the instructor. It is the primary purpose of the department to stimulate vigorous, independent thinking upon questions pertaining to Philosophy.

**A. Practical Ethics**—For Freshmen. One hour. First Semester.

This course will consist of lectures and class discussions. The aim will be to sketch a philosophy of life of such a character as to enable the student to adopt the most fruitful attitude, primarily toward his problems as a student, but also toward the problems of his after life. The discussion will center about two topics: (1) The inherence of change, and the consequent necessity for continual readjustment, in a developing universe; and (2) the Spirit of Loyalty as a criterion of conduct amid these shifting relationships.

**1. Psychology**—Three hours. First Semester.

Special emphasis will be placed upon (1) the application of psychological laws to practical life, and (2) the philosophical bearing of certain psychological principles. Thus, without departing from the mode of treatment appropriate to a natural science, this course will be made to serve as a general introduction to philosophy.

**2. Logic**—Three hours. Second Semester.

The intimate relation between Logic and Psychology will be emphasized throughout this course. From this point of view the traditional subject matter of elementary logic will be carefully discussed and the detection and classification of fallacies drilled upon. The bearing of Logic upon the problems of Philosophy will then be taken up.

**3. History of Ancient Philosophy**.—Three hours. First Semester.

In this course, and in its sequel, Philosophy 4, the aim will be (1) to trace the development of philosophy, pointing out what of permanent value each system, as it arose, contributed toward a final solution of the problem of the nature of being, and (2) to show the interaction between philosophic thought and the practical life of the period during which it flourished.

**4. History of Modern Philosophy**.—Three Hours. Second Semester.

The work of this course will be critical as well as expository, and an effort will be made at reconstruction on the basis of the great systems of philosophy worked out from Decartes to Spencer.

**5. Types of Modern Philosophy—Three Hours. First Semester.**

A critical discussion of Skepticism, Realism, Mysticism, Pragmatism, Modern Science, the Philosophy of Evolution, Psycho-physical Parallelism, the New Realism, and Kantian, Fichtean, and Hegelian Idealism. This course is intended as an approach to Philosophy 6.

**6. Metaphysics. Three hours. Second Semester.**

This course will deal constructively with the fundamental problems of reality.

**7. Psychology of Religion—Two hours. First Semester.**

The religious nature of man will be studied psychologically as manifested in childhood, adolescence, and maturity, including the phenomena of conversion and Christian growth.

**8. The Philosophy of Religion.—Two hours. Second Semester.**

An investigation, from the standpoint and by the methods of philosophy, of the fundamental concepts of religion. No student will be admitted to this course who is not, in the opinion of the instructor, adequately prepared for it. A highly creditable record in Philosophy 1 and in either Philosophy 3 and 4 or 5 and 6 will ordinarily be considered adequate preparation.

**9. Ethics (Theoretical)—Two hours. First Semester.**

An investigation of the nature and the bases of morality.

**10. Ethics (applied)—Two hours. Second Semester.**

This course is a continuation of Philosophy 9. From the standpoint of the theory worked out in the preceding part of the course there will be taken up such subjects as, the ethical significance of contemporary social and moral institutions and present day social tendencies, a critical investigation of recent forms of individualism, a discussion of the problems which grow out of progress, some studies in casuistry, etc.

**11. Seminar in Philosophy—Fortnightly 7:30-9:30 P. M. Throughout the year.**

This course is for graduate students and advanced undergraduates. The subjects investigated will vary from year to year, and will be determined largely by the interests of those who register for the course. Some member of the seminar will have charge at each meeting, and will read and defend a paper in which some topic, appropriate to the general subject of the year, is intensively treated. At least three papers and a thesis will be required of each member. These papers will or-

dinarily contain from five to eight thousand words and the theses will be of a somewhat greater degree of elaboration.

Persons who wish to take this course, but who can not be present at the meetings, may arrange to send in their papers. Of such members, however, somewhat more work will be required than of those who regularly attend the meetings.

NOTE—Courses A, 1, 2, and 11 will be offered every year. The other courses will alternate as follows: 3 with 5, 4 with 6, 7 with 9, and 8 with 10. The latter of each group will be offered in 1911-12 and the former in 1912-13.

Prof. Peters will begin his work September 1911.

#### SPECIAL COURSES IN PHILOSOPHY

**B. Metaphysics**—One hour and a half throughout the year.

Our fundamental conceptions are considered beginning with the notion of being. By a process of criticism contradictions are eliminated and a clear and consistent view of the world is set forth. The conclusions are valid for reason and show the value of personality human and divine.

The text book used is Bowne's Metaphysics.

Given in 1910-11, by President Keister.

**C. The Gospel of John**—One hour and a half throughout the year.

This course is given by lecture in connection with the course in Metaphysics. It is a study of the doctrine of the Gospel of John in order to obtain a clearer view of the Person of Christ who is the center of a religious system that is consistent in itself, vital in its influence and final for faith and reason.

Given in 1910-11 by President Keister.

**D. Theory of Thought and Knowledge**—By Prof. Borden P. Bowne will be offered in 1911-12.

**E. Also the Philosophy of Christianity**—by Dr. James E. Latimer. Each one hour and a half throughout the year.

These courses are offered for post graduate work and in exceptional cases to students who have not received the A. B. degree. President Keister.

## Education

PROFESSOR PETERS.

**1. History of Education**—Three hours. First Semester.  
A history of educational practices and theories.

2. **Educational Classics**—Three hours. Second Semester.

This course will include the reading, and general discussion in class, of such educational classics as the following: certain parts of Plato's Republic, Locke's Thoughts on Education, Rousseau's Emile, Pestalozzi's Leonard and Gertrude, Spencer's Essay on Education, etc.

3. **Froebel**—Three hours. First Semester.

An intensive study of the doctrines and influence of Froebel.

4. **Pestalozzi, Herbart and their followers**—Three hours. Second Semester.

5. **Principles of Education**—Three hours, First Semester.

A general discussion of the biological, sociological, and philosophical meaning of education, and a study of its processes and agencies.

6. **School Management**—Three hours. Second Semester.

A consideration of the practical problems involved in class room management and in school supervision.

7. **Psychology of Education**—Three hours. First Semester.

A study of those aspects of psychology which have a bearing upon educational practice.

8. **Philosophy of Education**—Three hours. Second Semester.

An intensive study of the nature and ultimate ends of education.

9. **Methods of Teaching**. Two hours. Second Semester.

A discussion, in the light of the principles worked out in the other courses in the department, of methods of instruction in the several branches. The work of the course will include visits to schools in the neighborhood. Prerequisite, three hours in Education.

10. **Seminar in Education**. Fortnightly 7:30-9:30. Throughout the year.

This seminar will be conducted in a manner analogous to that described under Philosophy II.

NOTE—Course 1 will alternate with 3, 2 with 4, 5 with 7, and 6 with 8, the former of each group being given in 1911-12 and the latter in 1912-13.

## Greek Language and Literature

PROFESSOR SHROYER

1 b. **Elementary Greek**—Five hours. Throughout the year.

Xenophon: Four books of the Anabasis. Greek Prose.

2 c. **Advanced Greek**—Three hours. Throughout the year.

Homer: Three books of the Iliad, scansion, sight translation, epic poetry. Greek antiquities, Greek literature and Greek prose.

**1. Junior Greek**—Three hours. Throughout the year.

Herodotus: Selections from several of the books are read. Review of the Greek historians and the Persian Wars.

Plato: Apology and Crito, The Athenian courts.

New Testament. Readings in the Pauline epistles.

**2. Senior Greek**—Three hours. Throughout the year.

Xenophon; Memorabilia; or Demosthenes: De Corona. Socrates and the Socratic schools. The Attic oration.

Sophocles: Oedipus Tyrannus; or Aeschylus: Prometheus Bound. Development of the Greek drama. Greek tragedy, comedy and theater.

**3. Junior Elective Greek**—Three hours. Throughout the year.

New Testament: Readings in the gospels of Mark and John and in the Pauline and Catholic epistles. The object of this course is exegetical and practical. It will include a study of the synoptic gospels and a survey of the letters of Paul.

## Latin Language and Literature

PROFESSOR DODGE

**1. Freshman Latin**—Three hours. Throughout the year.

(a) Cicero: De Senectute or De Amicitia. Special work in syntax based upon the text.

(b) Livy: Book XXI and part of Book XXII. The author's style and peculiarities of syntax are studied. Roman History during the period of the Punic Wars is reviewed; Roman political procedure and religious ceremonial are carefully considered.

(c) Terence: Adelphoe or Phormio. Manners and customs of the Romans. Lectures and assigned readings.

**2. Latin Prose**—One hour weekly. Throughout the year.

Exercises in Latin Prose composition based on the authors read in Latin 1. Open to all college students and recommended to such as are preparing to teach Latin after graduation.

**3. Sophomore Latin**—Three hours. Throughout the year.

(a) Horace: Ars Poetica, Selections from Odes, Satires and Epistles. The Horatian use of metres will be carefully studied as well as the place of Horace in Roman literature.

(a) Tacitus: Germania, Agricola and Dialogus. The peculiarities of Tacitus' style will be analyzed and his importance as a historian considered.

Open to students who have satisfactorily completed Latin 1.

**4. Latin Letter Writers**—Three hours. Throughout the year.

Copious selections from the letters of Cicero, Pliny and Erasmus will be read and specimens given of the letters of less known men. The peculiarities of the epistolary style will be made the subject of close study. Cicero's formal and familiar letters will be contrasted and the style of the other writers compared with his. The social and political environment in which each man wrote will also receive emphasis. Open to students who have satisfactorily completed Latin 3.

**5. Philosophic and Patristic Latin**—(Not given in 1910-1911). Three hours. Throughout the year.

Selections from Lucretius, Cicero, Seneca, the Church Fathers, and Latin hymns will be read. The object of this course is to contrast the ideals of Paganism and Christianity. Open to students who have satisfactorily completed Latin 3.

**6. Early Latin**—Two hours. Throughout the year.

The development of the classical from the earlier forms and constructions will be studied and illustrated by the reading of inscriptions and of the fragments remaining from early Latin authors.

Open to students who have satisfactorily completed Latin 3 and who obtain the consent of the instructor before the closing of college in June.

## **French Language and Literature**

PROFESSOR DODGE

**1. Elementary Course**—Three hours. Throughout the year.

French Grammar (Frazer and Squair), 500 pages of French translated. Aldrich and Foster's French Reader; Mairé's *La Tache du Petit Pierre*; Bruno's *Le Tour de la France*; Helévy's *Abbé Constantin*; Logouvé and Labiche's *La Cigale chez les Fourmis*; Erckmann-Chatrian's *Waterloo* or their equivalents will be read.

**2. Intermediate Course**—Three hours. Throughout the year.

Francois' *Advanced French Prose Composition*; Bouvet's *French Composition*; 1200 pages of French translated. Mérimée's *Colomba*; Augier's *Le Gendre de M. Poirier*; Sand's *La Mare au Diable* and *La Petite Fadette*; Dumas', *La Tulipe Noire*; Daudet's *Le Petit Chose*; About's *Le Roi des Montagnes*; Bowen's *French Lyrics*; Hugo's *Poems*; or their equivalents will be read. This course aims to give the student ease in reading modern French and facility in writing simple French prose.

**3. French Literature of the Seventeenth to the Nineteenth Centuries**—Three hours. Throughout the year.

Composition (translation of continuous English narrative and descriptive prose) will be continued throughout the year. Doumic's *Histoire de la littérature française* will be used as a text-book and copious selections read from representative authors of the period.

Open to students who have satisfactorily completed French 1 and 2.

4. (Not given in 1911-1912) **The Development of the Drama in France** accompanied by a study of French metrical forms and exercises in metrical composition. Three hours throughout the year.

Open to students who have satisfactorily completed French 3.

5. **Old French**—Three hours. Throughout the year.

The development of the language from Latin will be studied and illustrated by the reading of selected texts.

Open to students who have satisfactorily completed French 3.

Students desiring to register for French 4 or 5, are requested to arrange with the instructor before the close of the College year, that text-books may be in readiness for class use at the beginning of the autumn term. A deposit of \$10 toward the purchase of books will be required of each student registering for either of these courses.

## German Language and Literature

PROFESSOR SLEICHTER

1. **Freshman German**—Three hours. Throughout the year.

Literature of the 19th century. Fouqué's *Undine*; Heine's *Die Harzreise*; Freytag's *Die Journalisten*; Scheffel's *Ekkehard*; Müller's *Deutsche Liebe*; *Deutsche Gedichte*; Wenkebach's *Composition*.

2. **Sophomore German**—Three hours. Throughout the year.

Literature of the 18th century. Representative works of Lessing, Schiller and Goethe will be read, discussed and compared.

3. **Junior German**—Three hours. Throughout the year.

General view of German Literature. Rapid reading of representative authors of each period; reading of selections from German History, Freytag's *Aus dem Jahrhundert des grossen Krieges*. Reports on assigned work.

4. **Middle High German**—Three hours. Throughout the year.

Wright's *Middle High German Primer*; *Ein Mittlehochdeutsches Lesebuch*; *Nibelungen Lied*; *Gudrun*; *Wolfram Von Eschenbach*, etc.

5. **Scientific German**—Three hours. Throughout the year.

Dippold's *Scientific German Reader*; *Über Bakterien*—Cohn. Kuraer *Abriss der Geschichte der Chemie* will be read.



## English Language and Literature

PROFESSOR PARKS

1. **Theory and Practice of English Composition**—Two hours. Throughout the year.

This course includes a thorough study of technique and extensive writing of short and long themes. There are recitations, lectures, and private conferences. Text books: Woolley's Handbook of Composition and the Atlantic Monthly.

2. **Introduction to English Poetry**—One hour. Throughout the year. This course may be offered in 1911-12 as a substitute for Oratory.

Careful study is made of several of Shakespear's plays and of the best poetry of the Romantic Movement and the Victorian Age. Text-book Manly's English Poetry.

3. **History of English Literature**—Three hours. Throughout the year.

This course deals with the work of all the leading authors from the earliest times to the present. A full list of required readings may be had upon application. Text-books: Moody and Lovett's History of English Literature and Manly's English Poetry.

4. **History of American Literature**—Two hours. Second Semester.

This course deals with the development of American Literature and its relation to English Literature. A careful study is made of typical masterpieces of Emerson. Hawthorne, Poe, Walt Whitman, and Samuel Clemens. Extensive reading is required in the work of nine poets. Text-books: Page's The Chief American Poets and Wendell's History of Literature in America.

5. **British Essayists**—Three Hours. First Semester. Given 1911-12.

A careful study of the lives and best works of the leading essayists from Bacon to Stevenson. The development of the essayed of English prose style is outlined and discussed.

6. **The Lesser Great English Poets**—Three hours. Second Semester. Given 1911-12.

A careful study is made of the lives of the following poets, of their relation to the development of poetry and of all of their best poetry: Cowker, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Rossitti, Morris and Swinburn. Text-book: Page's British Poets of the nineteenth century.

7. **Old and Middle English**—Three hours. First Semester. Given 1911-12.

A thorough course in the earliest English. Extensive reading in

Chaucer. Text-books: Smith's Old English Grammar, Bright's Anglo-Saxon Reader, Chaucer's Complete Works, Root's The Poetry of Chaucer.

8. **Prose Fiction**—Two hours throughout the year. Given 1912-13.

The history and technique of the novel and short story are outlined and discussed. Ten novels and about sixty short stories are carefully analyzed and studied.

9. **Shakespeare**—Three hours. Second Semester.

All of the plays are read and discussed. A special, critical study is made of Othello and King Lear. Rolfe editions will be used for study. Text-books: Sidney Lee's Life, and Dowden's Shakespeare Primer.

10. **Advanced Composition**—Two hours. Throughout the year.

Given whenever a class of six applies for it. 9 is a prerequisite for the short-story hour.

One hour is devoted to essay-writing, argument, and debating; the other to short-story writing. Private conferences are required.

## Mathematics and Astronomy

### MATHEMATICS

PROFESSOR LEHMAN

1. **Advanced Algebra**—Four hours. First Semester.

Covering ratio and proportion, variation, progressions, the binomial theorem, theorem of undetermined coefficients, logarithms, permutations and combinations, theory of equations, etc.

2. **Plane and Spherical Trigonometry**—Four hours. Second Semester.

Definitions of trigonometric functions, goniometry, right and oblique triangles, measuring angles to compute distances and heights, development of trigonometric formulae, solution of right and oblique spherical triangles, applications to Astronomy.

3. **Analytic Geometry**—Three hours. Throughout the year.

The equations of the straight line, circle, ellipse, parabola, and hyperbola are studied, numerous examples solved, and as much of the higher plane curves and of the geometry of space is covered as time will permit.

4. **Differential Calculus**—Three hours, First Semester.

Differentiation of algebraic and transcendental functions, maxima and minima, development into series, tangents, normals, evolutes, envelopes, etc.

**5. Integral Calculus**—Three hours. Second Semester.

Integrations, rectification of curves, quadrature of surfaces, cubature of solids, etc.

**6. Plane Surveying**—Three hours. Second Semester.

A study of the instruments, field work, computing areas, plotting, leveling, etc.

**7. Differential Equations**—Three hours. First Semester.

A course in the elements of differential equations.

Prerequisite, Mathematics 3, 4 and 5. Murray.

**8. Analytic Mechanics**—Three hours. Second Semester.

Bowser.

Prerequisite, Mathematics 7.

## ASTRONOMY

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PROFESSOR LEHMAN

**1. General Astronomy**—Four hours. First Semester.

The department is provided with a fine four-and-a-half-inch achromatic telescope equatorially mounted, of which the students make free use.

## History and Political Science

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PROFESSOR SHENK

**1. Mediæval and Modern History**—Three hours. Throughout the year.

A general course prescribed in all the groups. Papers, special reports, and theses, based on available original sources, will be required of all students. Robinson: History of Western Europe; Readings from European History.

**2. English Economic History**—Three hours. First Semester.

The economic life and development of the English people during mediæval and modern times. Special attention will be given to the manor system, the guilds, growth of commerce, the industrial revolution, the rise of trade unions, and the relation of government to industry. Cheney: The Industrial and Social History of England; Gibbins: Industry in England.

**3. English Constitutional History**—Three hours. Second Semester.

The English Constitution and its historical development. A careful study of important documents will be made. Taswell-Langmeade: Constitutional History of England.

4. **United States Constitutional History**—Three hours. Throughout the year.

A full course covering the colonial and constitutional periods. An extensive reading course of original and secondary sources is required. Channing: Students' History of the United States; Macdonald: Select Charters; Macdonald: Select Documents.

5. **Political Science**—Three hours. First Semester.

A study of the Theory of the State and of the structure and province of Government. Leacock: Elements of Political Science.

6. **International Law**—Three hours. Second Semester.

A course in the fundamental principles of International Law. Much time is given to the study of important cases.

## **Economics and Sociology**

PROFESSOR SHENK

1. **Economics**—Three hours. First Semester.

A general course in economic theory, supplemented by consideration of practical current problems. Careful consideration will be given the different points of view of the leading economists. Johnson: Introduction to Economics.

2. **Current Labor Problems**—Three hours. Second Semester.

A course devoted to a study of the important labor problems of the present day: Strikes, labor organizations, employer's associations, arbitration, trade agreement, labor legislation, etc. Adams and Sumner: Labor Problems.

3. **Theory of Sociology**—Two hours. Throughout the year.

This course is intended to give the student a knowledge of the various theories of society together with the place of Sociology in the general field of learning. Part of the course will be devoted to a study of Emigration and Immigration, and the American Negro.

## **English Bible**

PROFESSOR SHROYER

1. Teacher Training Lessons, Hulburt; Doctrines of the Christian Church, Sell; Bible Primer, Gregory.

2. Life of Christ, Mark; Scientific Confirmations of Old Testament, Wright; Comparative Religion, Jevon.

The life of Paul. The Acts of the Apostles and the Pauline epistles are studied with a view to Paul's life, character, and influence on the Christian world.

The course may be taken in lieu of 1, at the option of the teacher.

3. Old Testament History. For the first semester the study will be based on the Pentateuch; for the second, on Historical Books.

## **Biology**

PROFESSOR DERICKSON

The courses of instruction cover four years. They are recognized as being as valuable in developing the powers of the mind as the other courses in the college curriculum, in that they develop the powers of observation and thought essential to the understanding of all phases of the phenomena of human existence.

The courses have been outlined with a three-fold purpose in view.

First, to meet the demand for a general training in biology, caused by the recently established conclusion among educators, that a knowledge of the principles of biology is not only a useful but an essential factor in any course of training in which social and moral questions are to be considered.

Second, to meet the demand of the high schools for college trained teachers in biology.

Third, to lay a broad foundation in the science for those who desire to pursue post graduate courses in universities and medical colleges.

Students desiring to elect a single year's work in biology are advised to elect 1-b; if two years, 1-a and 1-b or 1-b and 3 and 4, depending on the object in view. Those contemplating a career in medicine, or the profession of teaching biology or a post graduate course in biology, are urged to complete all the courses offered.

### **Description of Courses**

**1-a. Plant Biology**—Four hours. Two lectures or recitations and two laboratory periods of two hours each, per week. Throughout the year. The object of the course is to give the student a broad general knowledge of the plant kingdom. The form, structure and functioning of one or more types of each of the divisions of algae, fungi, liverworts, mosses, ferns and flowering plants, are studied.

Special attention is given to the ontogeny and phylogeny of the several groups suggestive of evolution.

Experiments are performed in the physiological laboratory to de-



termine some of the relations of plants to water, gravitation, temperature and light. Several types of seeds are studied as to their structure, germination and development. The principles of classification are learned by the analysis and identification of representatives of at least twenty-five orders of spermatophytes.

The laboratory and class room work is supplemented by frequent field trips.

Each student is supplied with a compound microscope, dissecting instruments, note and drawing materials and portfolio.

Required of freshmen in chemical-biological group. Elective for others.

Text-books: Text-book of Botany, Coulter, Barnes and Cowles; Principles of Botany, Bergen and Davis; Nature and Development of Plants, Curtis.

**1-b. Animal Biology**—Four hours throughout the year.

Three lectures and two laboratory periods of two hours each, per week.

The principles of biology are learned by making a careful comparative study of representatives of several phyla of animals. The amoeba, euglena, paramoecium, vorticella, sponge, hydra, starfish, earthworm, crayfish, grasshopper, mussel, amphioxus and frog are studied. A careful study is made of the embryology of the frog. The process of development is closely watched from the segmenting of the egg until metamorphosis takes place. Each student is taught the principles of technic by preparing and sectioning embryos at various stages of development. From these and other microscopic preparations the development of the internal organs and origin of tissues is studied. This is followed by a histological study of the tissues of the adult frog.

Each student is required to keep a record of all work done in the laboratory in carefully prepared notes and drawings.

For sophomores in the chemical-biological group. Elective for others.

Text-books: Parker's Zoölogy, Sedgwick and Wilson's General Biology, Holms, The Frog.

**2. \*Comparative Vertebrate Anatomy**—Four hours. Throughout the year. Six hours laboratory work and two conferences each week.

The course consists of the dissection and thorough study of a suctional fish, a cartilaginous fish, a bony fish, an amphibian, a reptile, a bird and a mammal. Carefully labeled drawings are required of each student as a record of each dissection.

Text-books: Pratt's Vertebrate Zoölogy, Kinsley's Text-book of Vertebrate Zoölogy.

**3. Vertebrate Histology**—Four hours. Beginning of the year to the end of the first week in March. Two conferences and six hours laboratory work per week.

The normal histology of the human body is made the basis of the class work. Each student is required to acquire a practical knowledge of all phases of histological technic.

All the tissues as well as the structure of all of the organs of the body are studied. Each student prepares about one hundred and fifty slides.

Text-book: Huber's Text-book of Histology, Bohm and Davidoff.  
Elective for juniors and seniors.

**4. Embryology of Vertebrates**—Second week in March to the end of the year. Two lectures and six hours laboratory work per week. The laboratory work is based on the development of the chick and comparisons made with that of the frog and mammal. A study is made of living embryos at various stages of development. These are later killed, prepared and sectioned by the student for the study of the development of the internal organs. Fully labeled drawings are required.

Text-book: Elements of Embryology, Foster and Balfour.  
Elective for juniors and seniors.

\* Biology 2 and Biology 3 and 4 are given in alternate years. Biology 3 and 4 will be given in 1911-1912.

## Geology

PROFESSOR WANNER

**General Geology**—Four hours. Second Semester.

The course includes dynamical, structural and historical geology.

Text-book: Scott's Introduction to Geology.

## Chemistry

PROFESSOR WANNER

**1. General Inorganic Chemistry**—Four hours. Throughout the year. Three hours lectures and recitations and four hours laboratory work.

Non metals, metals, theoretical Chemistry, a study of the fundamental principles and the technical application of the science.



The object of the course is to give the student a good foundation for advanced work in Chemistry.

Text-book: Remsen's College Chemistry is used in the class room and laboratory.

While the course pre-supposes no previous knowledge of Chemistry it is advisable to have completed (Science e) or its equivalent.

**2. Qualitative Analysis**—Four hours. First Semester. One hour lecture and a minimum of eight hours laboratory work.

Pre-requisite Chemistry 1. The object of the course is to familiarize the student with the best methods of separating and detecting the acids and bases. The reactions of the general qualitative reagents on solutions of the compounds of the elements are first studied. The student's ability is tested by frequent unknowns.

Text-book: Dennis and Whittelsey's Qualitative Analysis. Part of Prescott and Johnson's Qualitative Analysis.

**3. Quantitative Analysis**—Gravimetric and Volumetric—Four hours. Second Semester. One hour lecture and a minimum of eight hours laboratory work.

Pre-requisite Chemistry 2. This course includes the determination of chlorine in sodium chloride, iron and sulphur in ferrous ammonium sulphate; the complete analysis of limestone, an iron ore, alloy, soluble and insoluble silicate, etc.

Text-book: Talbot's Quantitative Analysis.

**4. Quantitative Analysis**—Gravimetric and Volumetric—Four hours. First Semester.

Pre-requisite Chemistry 3. A continuation of Chemistry 3.

Text-book: Olsen's Quantitative Analysis.

**5. Organic Chemistry**—Four hours. Throughout the year. Two hours lectures and recitations and a minimum of eight hours laboratory work.

Pre-requisite Chemistry 1. A study of the principal compounds of carbon. The laboratory work consists in making a number of organic preparations.

Text-books: Remsen's Organic Chemistry and Cohen's Laboratory Manual.

**6. Industrial Chemistry**—Two hours. Throughout the year. Two hours lecture and recitation.

A study of the practical applications of Chemistry. The manufacture of artificial fuels, salt, explosives, pigments, paper, etc.

The course is supplemented by frequent trips to industrial plants in the immediate vicinity, on which the student is required to hand in a report.

Text-book: Thorpe's Outline's of Industrial Chemistry.  
Course 6 alternates with course 5. Offered 1910-1911.

## Physics

PROFESSOR WANNER

1. **General Physics**—Four hours. Throughout the year. Three hours lecture and recitations and four hours laboratory work.

First Semester—Mechanics of solids, liquids and gases. Sound.

Second Semester—Heat, light, magnetism, and electricity.

The aim of the course is to give the student a good knowledge of college physics.

Text-books: Crew's General Physics is used in class room and Ames and Bliss's Manual of Experiments in Physics, also parts of Nichol's Laboratory Manual of Physics and Applied Electricity in the laboratory.

2. **Advanced Physics**—Three hours. Throughout the year.

Pre-requisites Physics 1. Extended work in mechanics, applied electricity, etc The character of the work will be arranged to meet individual means.

## Department of Oratory and Public Speaking

MAY BELLE ADAMS

The Emerson System is taught with the purpose of assisting pupils to develop their individual powers not for what they may gain for themselves but rather for what they may be able to give to others.

### TUITION

All tuition is payable in advance. No reduction is allowed for absence for the first or second week of the terms, nor for lessons missed during the term except in case of protracted illness.

#### REGULAR COURSE.

Fall Term.....	\$25.00
Winter Term.....	25.00
Spring Term.....	25.00

#### SPECIAL WORK.

13 private lessons.....	\$8.00
Class work Free Gymnastics, per term.....	3.00
Single lessons.....	.75

## SPECIAL COURSE.

Three terms, three hours a week in Principles of Public Speaking are given for which a two hour credit in the College is allowed.

Tuition \$12.50 per term.

## OUTLINE COURSE OF STUDY

—  
First Year*First Semester*

Evolution of Expression  
Volumes I., II.  
Voice Culture  
Dramatic Interpretation  
English Literature  
Free Gymnastics

*Second Semester*

Evolution of Expression  
Volumes III., IV.  
Voice Culture  
Dramatic Interpretation  
English Literature  
Free Gymnastics

## Second Year

*First Semester*

Perfect Laws of Art  
Volumes I., II.  
Gesture  
Shakespeare  
Physical Culture  
Voice Culture  
Rhetoric

*Second Semester*

Perfect Laws of Art  
Volumes III., IV.  
Psychology  
Gesture  
Shakespeare  
Bible and Hymn Study



**THE ACADEMY**

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**The Faculty**

HARRY EDGAR SPESSARD, A. M., Principal

*Latin*

JOHN EVANS LEHMAN, A. M.

*Mathematics*

SARAH RUSH PARKS

*English*

ALVIN E. SHROYER, B. D.

*Greek*

HENRY E. WANNER, B. S.

*Physics and Chemistry*

MARY E. SLEICHTER, A. M.

*German*

FLORENCE BOEHM

*Drawing*

JOSIAH F. REED

ARTUS O. KAUFFMAN

FLORENCE CLIPPINGER

ELIZABETH AGNES LAU

EARLE SPESSARD

WILLIAM ALBERT BRUNNER

*Assistants*

ROGER B. SAYLOR

*Instructor in Physics*

## **Lebanon Valley Academy**

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The Academy was established in 1866. For forty-five years it has cherished the ideals of full and accurate scholarship, and the development of character that fits one for the largest service to society. From its inception, college preparation has been its main purpose. But its curriculum has been well adapted to the needs of those who have entered immediately on practical life or professional study.

The Academy is an integral part of the College and profits by the proximity of students engaged in higher studies and by the ready access to the library, athletic field, literary societies, dormitory and laboratory privileges and by the opportunity to combine courses of study in the Academy with others in the College and Conservatory.

### **Admission**

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The applicant should be at least twelve years of age. It is desirable that he shall have completed the ordinary common school branches. Classes however are sometimes formed in language, arithmetic, history, and geography when deemed necessary. In general it is to the student's advantage to enter in September, or less preferably at the second half year. However the applicant usually finds enough work if he should enter at any time. (See college calendar, page 2.)

Each student for admission shall bring with him a certified statement of work done in the school last attended. Credit will be given for work thus certified. Should an applicant fail to present this certificate, he shall take an informal examination in the common school branches. He will then be assigned work at the discretion of the Principal. No student will be admitted until his registration is completed.

### **Examinations**

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Examinations are held at the close of each half year. At this time reports are sent to parents or guardians. More frequent reports are sent when requested by parents. In the Academy records, A, signifies excellent; B, very good; C, fair; D, low but passing; E, conditioned; F, repeat in class. An "E" record may be removed by a test on any part of the course in which the record is poor.

For this test a fee of one dollar is charged. An "F" may not be removed by a special examination.

## General Information

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For special tests, given on work not completed because of absences or otherwise, a fee of one dollar is charged. For special examinations a fee of two dollars is charged. Reports are sent to parents or guardians which state the student's record to date and his total number of absences.

## Courses Offered

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In the first semester classes are formed in:

English Grammar, Classics, and Rhetoric.

Algebra, Elementary.

Geometry, Plane.

Advanced Algebra.

History of Greece. 1911 and 1912.

English History. 1912 and 1913.

Latin—First year, Caesar, Cicero, and Virgil.

Greek—First year.

Physics

Elementary Chemistry.

Geometrical Drawing.

In the second semester new classes are formed in:

Roman History. 1911-1912.

Civics. 1911.

English Classics.

Algebra, Intermediate.

Geometry, Solid.



## Outline of Courses

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### CLASSICAL

#### JUNIOR

Latin.....a	5
English.....a	3
Mathematics.....a1	4
Mathematics.....a2	4
Civics.....	3

#### LOWER MIDDLE

Drawing.....	4
Mathematics.....b	4
Latin.....b	4
English.....b	5
History.....c }	4
History.....d }	

#### UPPER MIDDLE

Latin.....c	4
English.....c	3
Mathematics.....c	4
German.....a	4
History.....b	4

#### SENIOR

Latin.....d	4
English Classics.....d	3
Greek.....a or }	4
German..... }	
Mathematics.....d	4
Science.....d	4

### SCIENTIFIC

#### JUNIOR

Latin.....a	5
English.....a	3
Mathematics.....a1	4
Mathematics.....a2	4
Civics.....	3

#### LOWER MIDDLE

Drawing.....	4
Mathematics.....b	4
Latin.....b	4
English.....b	5
History.....c }	4
History.....d }	

#### UPPER MIDDLE

Latin.....c	4
English.....c	3
Mathematics.....c	4
German.....a	4
History.....b	4

#### SENIOR

English Classics.....d	3
German.....b	4
Science.....d	4
Mathematics.....d }	4
Science.....e }	

NOTE—Any substitution or change in these courses must be approved by the faculty.

## DESCRIPTION OF COURSES

### English

**A. Junior English**—Five hours. Throughout the year.

A thorough drill in English Grammar is given. Oral and written themes based on the student's experience are required. Several classics are read.

**B. Lower Middle English**—Five hours. Throughout the year.

Silas Marner, Ivanhoe, The Ancient Mariner, The Vision of Sir Launfal and Irving's Sketch Book are read. Grammar—the verb, phrases, clauses and connectives. Short themes in Narration are required weekly.

English (a) and (b), one and one-half units.

**C. Upper Middle English**—Three hours. Throughout the year.

The Merchant of Venice, House of Seven Gables, Gareth and Lynette, Launcelot and Elaine, The Passing of Arthur, Macauley's Essay on Addison, and other classics are read. Themes emphasizing diction and description are required weekly. Text—Spalding's Principles of Rhetoric.

**D. Senior English**—Three hours. Throughout the year.

English Classics required by the College Entrance Board for careful study. Hill's Foundations of Rhetoric is used.

English (a) and (d), one and one-half units.

### Latin

**A. Junior Latin**—Five hours. Throughout the year.

First year Latin, Pearson. Caesar begun.

One unit.

**B. Lower Middle Latin**—Four hours. Throughout the year.

Caesar, Books I.-IV. Composition based on the text Gunnison and Harley.

One unit.

**C. Upper Middle Latin**—Five hours. Throughout the year.

Cicero, six orations including Archais. D'Oge's Composition based upon the text.

One unit.

**D. Senior Latin**—Four hours. Throughout the year.

Virgil's Aeneid, Books I.-VI. Prosody, sight translation and scan-sion. Arnold's Latin Composition.



## German

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**A. Beginning German**—Four hours. Throughout the year.

Bacon's German Grammar and easy reading texts, 150 to 200 pages. Translations of simple English sentences into German. One unit.

**B. Second Year German**—Four hours. Throughout the year.

Joynes-Meissner Grammar. Daily practice in writing in German. Reading of about 490 pages of moderately easy texts, both prose and poetry. One unit.

## Greek

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**A. Greek**—Four hours. Throughout the year. White's First Greek Book.

In as much as only one year of Greek is now offered in the Academy, classical students are expected to have at least German (a) and (b).

## Mathematics

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**A.<sup>1</sup> Arithmetic**—Four hours. Throughout the year. A special drill in fractions, percentage, and the metric system. Junior year. One-half unit.

**A.<sup>2</sup> Algebra**—Four hours. Throughout the year. The equivalent of Slaughter and Lennis' High School Algebra, elementary course.

**B. Algebra**—Three hours. Throughout the year. Slaughter and Lennis' High School Algebra, advanced course, is completed. Lower middle year. One-half unit.

**C. Plane Geometry**—Four hours. Throughout the year. Durell's New Plane and Solid Geometry is the text-book used. Much time is given to original problems. Upper middle year, one unit.

**D. Solid Geometry**—Four hours. First Semester. Text-book, Durell's. One-half unit.

**E. Plane Trigonometry**—Four hours. Second Semester. Text-book, Wentworth. One-half unit.

## Science

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**D. Elementary Physics**—Four hours. Throughout the year. Three hours lectures and recitations and two hours laboratory work.

Mechanics of solids, liquids and gases, heat, magnetism and electricity.

No previous knowledge of Physics is required for admission to the course.

Text-book: Carhart and Chute's High School Physics. Sixty experiments as outlined in the National Physics course are required in the laboratory. One unit.

**E. Elementary Chemistry**—Four hours. First Semester Two hours lectures and recitation and four hours laboratory work,

The aim of the course is to present Chemistry to the beginner in such a way as to enable him to grasp the fundamental principles and to help him to secure a working knowledge of the science in the laboratory.

Text-book: First Principles of Chemistry by Brownlee and others, also Laboratory Exercises to accompany same.

## History and Civics

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**A. Civics**—Three hours. Second Semester. One-half unit.

**B. English**—Three hours. Throughout the year. One unit.

**C. Grecian**—Three hours. First Semester.

Myer's Ancient History. Lower Middle year. One-half unit.

**D. Roman**—Three hours. Second Semester.

Myer's Ancient History. Lower Middle year.

## Geometrical Drawing

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Four hours. First Semester.

Morris' Geometrical Drawing. Geometrical figures, reconstruction of figures to a given scale, construction of scales to any given unit. projective representation of plane and solid figures, etc.

The course counts one-half unit.

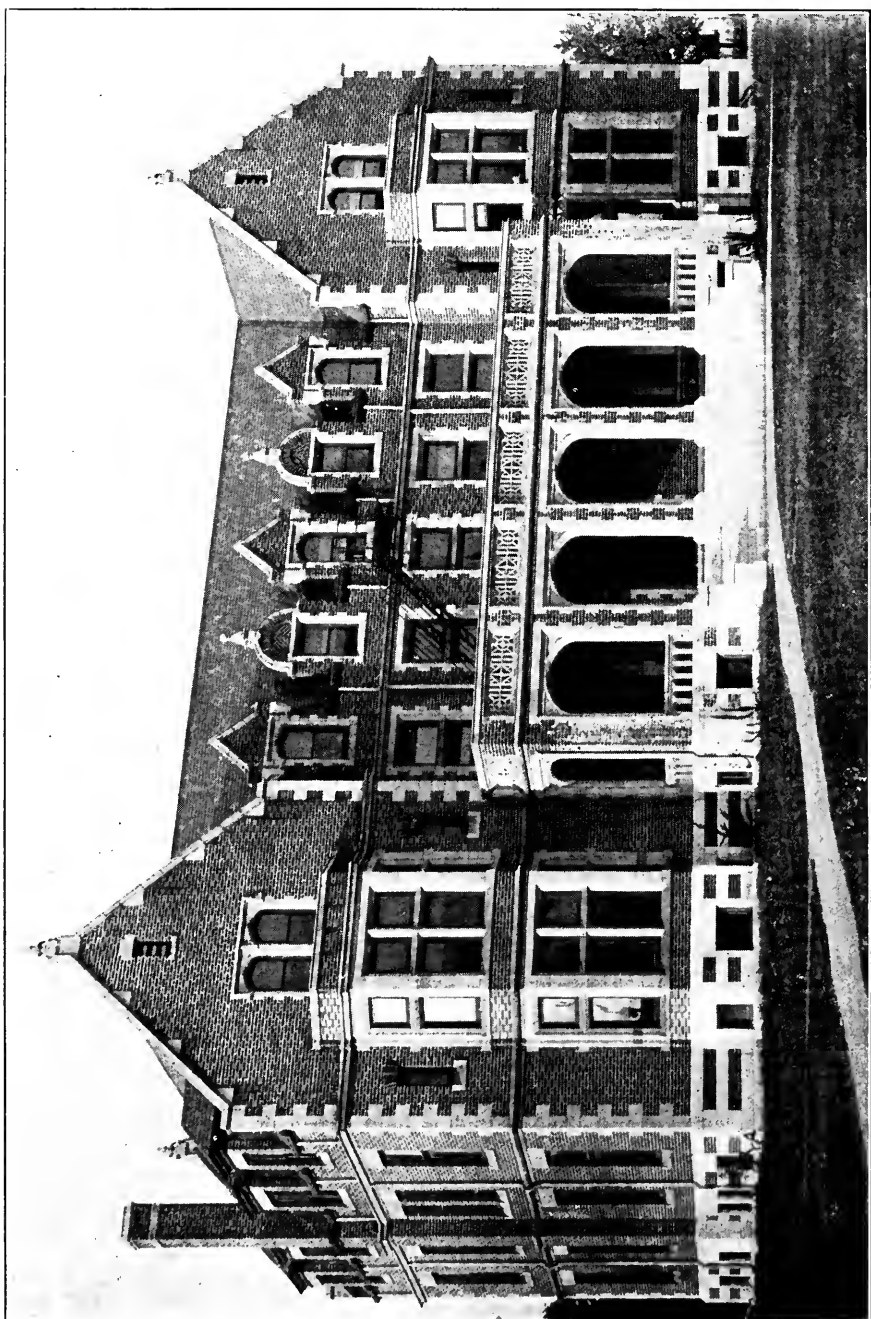
## Election of Studies

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While there are two definitely prescribed courses in the Academy, there is considerable room for election of courses that have special value to students intending to specialize.

The Principal advises students what subjects are fundamental to professional and engineering courses.





## **Graduation**

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The required credit for graduation, as outlined in the Classical and Scientific Courses, is sixteen units, provided that the student shall have completed at least the three units in Mathematics, the three units in English, three units of Latin, two units of German, one laboratory science, and one unit of history. In general the pursuance of a four or five-hour subject per week for a year constitutes a unit. If said student desires to enter Lebanon Valley College he shall arrange his work so as to meet the entrance requirements for the several courses.

## **Sub-Preparatory Course**

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Sometimes students of mature age come to us not fully prepared to enter the Academy. They have for various reasons attended school but a short time and find it embarrassing to enter the public schools with scholars so much younger than themselves. For these we make provision. However, at least sixteen hours of regular Academy work is required.

## **Facts to be Considered**

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A one hundred dollar scholarship is awarded each year to the Academy graduate who has, according to the vote of the Faculty, made the best class record and departed himself in accordance with regulations.

Academy students are admitted to all social privileges of the College. Excellent opportunities are offered for self improvement in the Literary societies and Christian associations.

## **Units**

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The four years of English count three units. Each year of any foreign language is one unit. Arithmetic, Algebra, and Plane Geometry, three units. Other units are specified in respective courses.

## CONSERVATORY OF MUSIC

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### Faculty

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E. EDWIN SHELDON, Mus. M.

*Professor of Pianoforte, Organ, Counterpoint, Fugue*

IDA MANEVAL SHELDON, Mus. B.

*Pianoforte, Harmony, Musical History*

ETHEL IRENE BROWN

*Voice*

FREDERICK W. LIGHT

*Violin*

MARY E. SLEICHTER, A. M.

*German*

LOUISE PRESTON DODGE, PH. D.

*French*

SARAH RUSH PARKS, A. M.

*English*

MAY BELLE ADAMS

*From Emerson School of Oratory*

*Oratory*

FLORENCE S. BOEHM

*Painting, Drawing*

### Location and Equipment

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The Engle Music Hall is a handsome three-story stone structure. It contains a fine auditorium with large pipe organ, director's room, and nine practice rooms, waiting and writing room for students' use, large society rooms, lavatories, etc. The whole building is lighted by

electricity, and heated by steam, and designed and furnished with a view to having it complete in every respect for the study of music in all its branches. A complete musical education from the very first steps to the highest artistic excellence may be secured. The director will use every effort to obtain positions for those students who have finished the courses, and who may wish to teach or perform in public.

## Object

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The department has for its object, the foundation and diffusion of a high and thorough musical education. The methods used are those followed by the leading European conservatories. The courses are broad, systematic, progressive, and as rapid as possible, and the conservatory offers the means for a complete education in musical art at a moderate cost.

## Description of Courses

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### I. PIANOFORTE

The course in Pianoforte is divided into five divisions; Sub-Freshman, Freshman, Sophomore, Junior and Senior.

The course marked out, must, however, necessarily be varied according to the ability and temperament of the pupil. Many works must be studied by all, but there is much that may be essential for one student and not at all necessary for another. Individual instruction only is given.

A system of technics is used that is in line with the most approved methods. Special attention is paid to the development of a true legato touch and a clear, smooth technique. The use of the pedal so much neglected is emphasized. At the same time expression and interpretation are not neglected. Technical and theoretical ability are worthless, except as it enables the performer to bring out the beauties and meaning of the composer.

The Virgil Practice Clavier, which is now generally recognized by the leading teachers and artists of the day as an important aid in the development of technique, has been introduced.

Memorizing music is required of all students. It is a great acquisition to be able to perform a number of selections from memory.

**Sight Reading**—This, although to a certain extent a natural gift, can be greatly improved by systematic work. One who can read well

has all music at his command, while a poor reader has but the few pieces which may have been learned.

**Practice**—Special effort is made to teach pupils how to practice. Difficult places are pointed out and the students are taught how to learn them in the quickest and most thorough manner. Quality is of more value than quantity in practice.

**Essemble Playing**—It is impossible to overestimate the value of thorough training in duet, trio and quartette playing. Students are given drill in these as well as in accompaniment playing.

## II.—VOCAL MUSIC.

The basis of all music studies should be vocal music. Singing develops the musical ear and leads to a discernment of tone color without which the fundamental principles of technique and touch on the pianoforte cannot be obtained.

The method used is largely that of the Italian schools, but no one method is employed exclusively. The development of a pure tone and an easy and natural control of the voice in singing is the end which is sought. Correct breathing, intonation, attack, legato, accent, phrasing and pronunciation are features of technical drill. At the same time naturalness and an artistic style of singing are constantly urged upon the student.

## III.—THE ORGAN

The churches of our country are making an increasing demand for well trained organists. The organ is no longer looked upon as an instrument solely for accompaniments and church use, but has taken its place among solo instruments and gained a distinct recognition from the music-loving public.

A large field, therefore, is open to the student of the Organ. The work as outlined aims to provide a thorough training in all that pertains to a mastery of the organ for church or concert use. A two-manual Mollar pipe organ is used in the Conservatory.

## IV.—THE VIOLIN

Among the stringed instruments, the Violin stands one of the oldest and has always been admired for its beautiful and thrilling strains.

The musical possibilities within the compass of the violin are marvelous and unexcelled by any other instrument. The best artists of the olden or modern times were skillful on the violin, and it appeals to those of the finest musical taste today.

Nowhere in English literature do we find a nobler or more glowing



tribute to the violin than is the little poem penned by our own immortal "Autocrat," where he places the violin among the highest order of musical instruments.

### V.—THEORETICAL MUSIC

Theoretical studies are essential to rapid and comprehensive sight reading and to excellence in the higher grades of music. Good pedaling depends on a knowledge of harmony, and memorizing is greatly facilitated by it.

An intelligent insight into the foundation, upon which rests the art of music, gives interest to the pupils in their playing and singing and makes them musicians, as well as performers.

### Diplomas

Will be given for the satisfactory completion of any of the solo courses together with the studies given below.

Harmony (Chadwick).....	Three Terms
Simple Counterpoint.....	Two Terms
Double Counterpoint.....	One Term
Canon.....	One Term
Fugue.....	Two Terms
Musical History.....	Two Terms
Theory of Music and Analysis.....	Two Terms
Ear Training.....	Two Terms
Psychology of Music.....	Two Terms
Sight Playing.....	Two Terms

Candidates for graduation in piano shall have taken at least three terms in voice and organ. For graduation in voice the student shall have at least three terms in piano. For organ the Sophomore year in piano is required. In the case of violin three terms piano.

Three terms each in English Grammar, Rhetoric and Composition, Literature, French or German. Free tuition in any one of the literary studies. Fee for diploma \$5.00.

### Recitals

Students' Thursday Evening Recitals—At least twice each term a recital is given in which students, who have been prepared under the

supervision of the instructors, take part. These recitals furnish incentives to study and experience in public performance.

**Student's Recital Class**—Students who are not sufficiently advanced to appear in the Thursday Evening Recitals are given experience in public performance in the Students' Recital Class. These classes are not open to the public. Rules governing Concert Department are brought to the attention of the students and each performer shown what is expected of him or her when before an audience. The result is a smoother and more satisfactory appearance in the Evening Recitals when assigned to such work.

**Artist Recitals**—Not less important than the daily class room work is the opportunity afforded students of hearing the representative works of the great masters performed by artists of recognized ability of this and foreign countries. These recitals have met with much favor and enthusiasm among the students and citizens.

**Senior Recitals**—Each candidate for graduation shall give a public recital during the last term.

## **Certificates**

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### **REQUIREMENTS FOR CERTIFICATES**

Complete course in pianoforte or in any of the other subjects, viz: voice, violin, harmony, theory, or history.

Fee for certificate, \$2.50.

## **Degree**

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### **REQUIREMENTS FOR DEGREE (Mus. B.)**

Candidates must already have taken a diploma including theoretical course outlined on page 53.

Must have freshman standing in any of the College courses.

Fee for degree, \$10.00.

## **Examinations**

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All students taking any of the regular music courses, will be compelled to take the various examinations the second week of April.

These examinations are for entrance in the various classes (sophomore, junior, and senior) the following September. All senior students must take their final examinations at the same time.

These will be held in the College chapel, and are for performance, not theory. A list of the various studies, selections, etc., can be obtained at any time from the Director.

## Tuition

### PIANO OR VOICE.

Fall term.....	30 lessons.....	\$22 50
Fall term.....	15 lessons.....	11 25
Winter term.....	24 lessons.....	18 00
Winter term.....	12 lessons.....	9 00
Spring term.....	24 lessons.....	18 00
Spring term.....	12 lessons.....	9 00

### SENIOR YEAR.

Fall term.....	30 lessons.....	30 00
Fall term.....	15 lessons.....	15 00
Winter term.....	24 lessons.....	24 00
Winter term.....	12 lessons.....	12 00
Spring term.....	24 lessons.....	24 00
Spring term.....	12 lessons.....	12 00

### PIPE ORGAN.

Fall term.....	30 lessons.....	30 00
Fall term.....	15 lessons.....	15 00
Winter term.....	24 lessons.....	24 00
Winter term.....	12 lessons.....	12 00
Spring term.....	24 lessons.....	24 00
Spring term.....	12 lessons.....	12 00

### HARMONY, MUSICAL HISTORY, EAR TRAINING, THEORY OR PSYCHOLOGY OF MUSIC, OR SIGHT PLAYING

Fall term.....	2 lessons per week.....	10 00
Winter or Spring term....	2 lessons per week.....	8 00
Private Lessons each.....		75

### COUNTERPOINT, CANON OR FUGUE

Fall term.....	2 lessons per week.....	12 00
Winter or Spring term....	2 lessons per week.....	10 00

	FALL TERM	WINTER OR SPRING TERM
For use of instruments: Piano, one hour		
per day.....	\$3 00	\$2 50
Each additional hour...	1 50	1 25
Pipe Organ, one hour per day.....	3 00	2 50

Students taking a full music course are charged a matriculation fee of \$3.00 for the year, payable in advance. This fee entitles student to all privileges of the College,

Students taking piano, organ, or voice only are charged a matriculation fee of \$1.00 payable in advance.

Pipe organ students must pay at the rate of 20 cents an hour for organ blower.

Fee for graduation diploma, \$6.00.

**RULES AND REGULATIONS**—No reduction is made for absence from the first two lessons of the term, nor for a subsequent individual absence. In case of long continued illness the loss is shared equally by the College and the student.

All tuition is payable in advance.

Pupils may enter any time, but for convenience of grading, etc., the beginning of each term is the most desirable time.

All sheet music must be paid for when taken.

No pupil is allowed to omit lessons without a sufficient cause.

Reports showing attendance, practice, and improvement in grade, will be issued at the close of each term.

For all further information as to any particular course, or combination of courses, rooms, boarding, etc., address

DIRECTOR OF THE CONSERVATORY,  
LEBANON VALLEY COLLEGE,  
ANNVILLE, PA.



## DEPARTMENT OF ART

FLORENCE S. BOEHM, INSTRUCTOR

### Course of Study for Certificate

**First Year**—Drawing, sketching in pencil of various familiar subjects, and drawing from geometric solids, good examples of proportion and perspective, and the principles of light and shade.

**PAINTING**—Flowers, fruit and leaves, models, casts and familiar objects. Elementary original composition.

**MODELING**—Fruit, vegetable forms and leaves from casts and nature; animals from the cast and prints. Elementary original composition.

**Second Year**—Charcoal drawing from casts of heads. Painting in water colors and pastels from groups of still life, interiors, decorative subjects, flowers, draperies, and out-of-door sketching.

**Third Year**—Sketching from life. Painting in oils from still life and nature. Wash drawings in ink, water color, historic ornament. Studies in color harmony.

**Teacher's Class**—Principles and methods of drawing, modeling, blackboard drawing, lettering, brush work, sketching from life and water color.

Saturday work is offered for teachers and children who cannot take work during the week.

**Keramics**—Classes in china painting are instructed by the latest methods in conventional and naturalistic treatment. The china is fired in the institution, giving students an opportunity of learning how to fire their own china.

**Miniature**—Miniature painting on ivory.

Students who do not desire the certificate course may take special work along any line preferred.

### Art Exhibit

During commencement week an exhibit of some of the work done in the department is held in the studio, to which all visitors are welcomed and entertained by members of the department.

### Expenses

	FALL TERM	WINTER TERM	SPRING TERM
TUITION—One lesson a week.....	\$10 00	\$ 8 00	\$ 8 00
Two lessons a week.....	16 00	12 00	12 00
Children's beginning class.....	2 50	2 00	2 00
Children's advance class.....	4 00	3 00	3 00
Special lessons.....75 cents each.			
	Matriculation Fee.....\$1 00		

## REGISTER OF STUDENTS

### The College

#### POST GRADUATE

Buddinger, David D., A. B.....	Lebanon
Burtner, Edwin O., B. S.....	Palmyra
Hershey, I. Moyer, A. B., B. D.....	Lancaster
Miller, Harry E., A. B., B. D.....	Lebanon
Rhoad, Hiram F., A. B.....	Highspire
Rupp, S. Edwin, A. M.....	Lebanon

#### SENIORS

Brunner, W. Albert.....	New Bloomfield
Ehrhart, Oliver T.....	Millersville
Ellis, William Otterbein.....	Annville
Frost, Fred L.....	Lebanon
Holdeman, Phares M.....	Annville
Kauffman, Artus Orestus.....	Dallastown
Kennedy, Francis R.....	Kingston, Jamaica
Koontz, Paul Rodes.....	West Fairview
Lehman, John K.....	Annville
Marshall, John Edward.....	Annville
Saylor, Roger Behm.....	Annville
Shoop, William Carson.....	Annville
Spessard, Earle Augustus.....	Annville
Spessard, Lester Lewis.....	Annville
Ziegler, Samuel George.....	Hanover

#### JUNIORS

Beckley, Arthur S.....	Annville
Butterwick, Oliver.....	Lebanon
Carmany, Earle H.....	Annville
Grimm, Samuel O.....	Red Lion
Harnish, Claire F.....	Mechanicsburg
Hensel, Forrest Stanley.....	Lykens
Hershey, Catharine Elizabeth.....	Hershey
Ischy, John W.....	Lebanon
Keister, Donald C.....	Annville
Kilmer, Edna Ruth.....	Reading

## REGISTER OF STUDENTS

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Lau, Lizzie Agnes.....	York
Leibold, Titus J.....	Reading
Light, Carrie S.....	Jonestown
Plummer, Samuel Baechtel.....	Hagerstown, Md.
Reed, Josiah E.....	Lebanon
Rettew, Chester E.....	Columbia
Schell, Esther Naomi.....	Myerstown
Shively, James C.....	Fayetteville
Seltzer, Nellie.....	Lebanon
Smith, Charles C.....	Red Lion
Thomas, Norman B. S.....	Hagerstown, Md.
Weidler, Helen Lura.....	Royalton
White, Charles G.....	Annvile
Wingerd, Guy.....	Chambersburg

## SOPHOMORES

Boughliter, Ezekiel Kephart.....	Oberlin
Christeson, Florence E.....	Annvile
Clippinger, Florence E.....	Shippensburg
Heffelfinger, Victor M.....	Annvile
Horne, Clara Kee.....	Enola,
Klinger, Landis R.....	Williamstown
Lehman, Edith Marie.....	Annvile
Light, Boaz G.....	Avon
Loser, Earl Gerbrich.....	Progress
Loser, Paul.....	Annvile
Mulhollen, Victor D.....	Wilmore
Myers, Cora Virginia.....	Ephrata
Potter, Ivan K.....	Long Island City,
Ressler, Ivan K.....	Shamokin [N. Y
Richie, Gustavus Adolphus.....	Shamokin
Spessard, Lottie Mae.....	Annvile
Uhrich, Clarence H.....	Hershey
Ulrich, Charles Y.....	Manheim
Weigel, Amos H.....	Annvile
Williams, George Albert.....	Annvile
Yarkers, Edna E.....	McAlisterville
Zimmerman, Sarah Esther.....	Shamokin

**FRESHMEN**

Arndt, Charles H.	Valley View
Bachman, Catharine B.	Annville
Becker, William Harvey	Annville
Charleton, Harry Hayward	Lowell, Mass.
Cury, John Kreider	Swatara Station
Gruber, David Augustus	Annville
Harnish, Leray Bowers	Carlisle
Hayes, Warren H.	Everson
Hummel, John Paul	Hummelstown
Klein, Daisy May	Hershey
Kreider, Edward Landis	Palmyra
Kreider, Henry Horst	Annville
Landis, Edgar M.	Myerstown
Light, Arthur B.	Avon
Lyter, John Bowman	Harrisburg
Meyer, Elizabeth May	Annville
Morrison, Edith Lenore	Mt. Pleasant
Mutch C. Edward	Millersburg
Reddick, Claude D.	Walkersville, Md.
Reddick, D. Leonard	Walkersville, Md.
Risser, Blanche	Campbelltown
Roberts, Palmer F.	Annville
Rodes, Lester A.	Wormleysburg
Schmidt, Carl Frederic	Lebanon
Shearer, Frank	Harrisburg
Sherk, John E.	Jonestown
Snively, Henry E.	Lebanon
Strickler, Paul L.	Lebanon
Stager, William S.	Lebanon
Ulrich, Harry Edwin	Harrisburg
Urich, Mary Josephine	Annville
Walter, John Allen	Lebanon
Weidler, Russell Merwyn	Royalton
Young, David Edward	Manheim
Zimmerman, David Ellis	Annville

**SPECIAL**

Biever, Walter Devalt	Elizabethtown
Derickson, Mrs. S. H.	Annville
Holtzman, Mark G.	Millersburg



## REGISTER OF STUDENTS

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Light, Raymond.....	Annville
Light, Victor.....	Annville
Loos, Anna.....	Berne
Lindsay, Alexander K.....	Harrisburg
Miller, Virginia.....	Lebanon
March, James G.....	Annville
Matz, Henry H.....	Annville
Moyer, Harry M.....	Palmyra
Smith, Grace N.....	Shoemakersville
Smith, Edward H.....	Annville
Snyder, Verda A.....	Keedysville, Md.
Zullinger, George S.....	Chambersburg
Weidler, Goldie.....	Lebanon
Wert, Mark H.....	Intercourse

## ACADEMY

Bender, Harry.....	Annville
Bomberger, Joseph W.....	Annville
Brightbill, Helen E.....	Annville
Byle, Amos C.....	Annville
Blouch, Gideon R.....	Annville
Condran, John.....	Annville
Denlinger, Harry A.....	Intercourse
Dunlap, William.....	Minersville
Dubble, Annie.....	Myerstown
Dunnire, H. S.....	Lebanon
Dunnire, Mrs. H. S.....	Lebanon
Deck, Paul Wagner.....	Lebanon
Eby, Ira Clyde.....	Lebanon
Engle, Larene R.....	Harrisburg
Engle, Ruth Elizabeth.....	Palmyra
Engle, Ruth V.....	Harrisburg
Ely, Naomi Ruth.....	Hagerstown, Md.
Feldman, Ralph McKee.....	Chambersburg
George, Herman, Earl.....	Middletown
Gruber, E Viola.....	Campbelltown
Gibble, Phares B.....	Annville
Groh, Samuel.....	Lickdale
Haak, Lillian E.....	Myerstown
Horst, Ada M.....	Bismarck
Holdcraft, Paul Ellsworth.....	Frederick, Md.

Hartz, Robert E.....	Palmyra
Kreider, Irwin V.....	Palmyra
Leister, Maurice.....	Cocolamus
Light, Robert R.....	Lebanon
Long, David Mason.....	Annville
Meyers, Vera F.....	Longsdorf
Meyer, Allen J.....	Annville
Miller, James L.....	Shanksville
McConnel, William.....	Portage
Mozer, Katherine Earnestine .....	Highspire
Murray, William L .....	West Fairview
Riegel, Ralph R.....	Millersburg
Risser, Harold.....	Campbelltown
Rine, Sedic Sherman .....	Hoffer
Roberts, Palmer F .....	Annville
Schell, Susie Mary.....	Myerstown
Schwalm, Clarence W.....	Valley View
Shannon, John S.....	Johnstown
Spayd, Mary.....	Annville
Spitler, H. L.....	Pinegrove
Smith, Edward.....	Annville
Turby, Myrle.....	Palmyra
Zuch, Edith.....	Lebanon
Zuch, Harry.....	Lebanon
Zullinger, George.....	Chambersburg

## THE CONSERVATORY OF MUSIC

### SENIORS

Bachman, Ora B.....	Annville
Detweiler, Ruth Christina.....	Palmyra
Gingrich, Edith A.....	Annville
Meyer, Elizabeth May.....	Annville

### JUNIORS

Diehm, Meda M.....	Penryn
Engle, Ruth E.....	Palmyra
Fry, Anna Alma.....	Palmyra
Gingrich, Katie May.....	Palmyra
Spayd, Mary A.....	Annville
Spessard, Bertha S.....	Annville
Strickler, Sara Kathryn.....	Lebanon

# REGISTER OF STUDENTS

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## SOPHOMORES

Behney, Myrl.....	Lebanon
Light, Marion.....	Lebanon
Mozzer, Katherine.....	Highspire
Schell, Susan.....	Myerstown
Shanaman, Mabel A.....	Richland
Weidman, Evelyne R.....	East Earl

## FRESHMEN AND SPECIAL

Albright, Ruth.....	Lebanon
Anderson, Scott.....	Chambersburg
Bachman, Harry.....	Annville
Bachman, Paul.....	Annville
Bangser, Bertha.....	Lebanon
Bittner, Mrs. O. R.....	Grantville
Bodenhorn, Ellwood.....	Annville
Bomberger, Mattie.....	Annville
Botts, George Frederick.....	Elizabethville
Bowman, Harry.....	Annville
Brightbill, Helen E.....	Annville
Cooke, Gertrude.....	Smith's Falls, Can
Deibler, John Q.....	Annville
Dunmire, Homer Stuart.....	Johnstown
Ely, Naomi Ruth.....	Hagerstown, Md.
Emenheiser, Cora.....	Lehmaster
Engle, Larene.....	Harrisburg
Fegan, Lloyd Victor.....	Cleona
Fink, Catherine.....	Lebanon
Foltz, Eva M.....	Palmyra
Frantz, Susan.....	Lebanon
Gantz, Lillian F.....	Annville
Hayes, Warren H.....	Everson
Horn, John.....	Annville
Horn, William.....	Annville
Kindry, Elsie Clark.....	Myerstown
Kerschner, Maude E.....	Shoemakersville
Kreider, Joseph Lehn.....	Annville
Kunst, Ernestina.....	Lebanon
Leister, Maurice.....	Cocolamus
Long, Dora.....	Annville
Louser, Marie.....	Lebanon
Maulfair, Mary Elizabeth.....	Hershey

Moffatt, Albert .....	Annville
Nye, Florence.....	Annville
Ramler, William.....	Grantville
Rice, Della.....	Annville
Risser, Blanche.....	Campbelltown
Roland, Florence.....	Reading
Roland, Harrold.....	Annville
Schenk, Elmer .....	Fontana
Smith, Grace.....	Shoemakersville
Spessard, Lottie .....	Annville
Turby, Myrle.....	Palmyra
Zullinger, George.....	Chambersburg

## ORATORY

### SENIORS

Hockenbury, Nona Downey.....	Lebanon
Ischy, John W.....	Lebanon
Snyder, Verda A.....	Keedysville, Md.
Brightbill, Helen E.....	Annville
Clauser, Catharine.....	Annville
Curry, John.....	Swatara Station
Daugherty, Ethel.....	Elizabethtown
Dubble, Annie.....	Myerstown
Engle, Ruth.....	Harrisburg
Engle, Larene R.....	Harrisburg
Harnish, Leray B.....	Carlisle
Hayes, Warren.....	Everson
Henry, Mary.....	Annville
Kreider, Nancy.....	Annville
Kreider, Elizabeth.....	Annville
Landis, Edgar M.....	Myerstown
Light, Carrie.....	Jonestown
Light, Kathryn.....	Annville
Leister, J. Maurice.....	Cocolamus
McCurdy, Edith.....	Lebanon
McConel, William.....	Portage
Reddick, D. Leonard.....	Walkersville, Md.
Risser, Blanche.....	Campbelltown
Rodes, Lester P.....	Wormleysburg
Schell, Esther.....	Myerstown

# REGISTER OF STUDENTS

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Shearer, Frank.....	Harrisburg
Smith, Grace.....	Shoemakersville
Spessard, Lester.....	Annville
Urich, Josephine.....	Annville
Weidler, Russel.....	Royalton
Weidler, Helen L.....	Royalton
Weigel, Amos.....	Annville
Yarkers, Edna.....	McAlisterville
Young, David Edward.....	Manheim

## ART

Batdorf, Emma R.....	Annville
Beaver, Effie M.....	Smith's Falls, Can
Brunner, Cora R.....	Annville
Cooke, L. Gertrude.....	Annville
Christeson, Mary L.....	Annville
Davis, Ruth M.....	Lebanon
Fink, Esther M.....	Annville
Gallatin, Elizabeth.....	Annville
Kreider, Clement H.....	Annville
Kreider, Howard.....	Annville
Light, Jessie G.....	Annville
Light, Roy H.....	Annville
Maulfair, Mary E.....	Hershey
Murray, Mary.....	Lebanon
Nissley, Mary B.....	Middletown
Smith, Grace N.....	Shoemakersville
Snyder, Verda A.....	Keedyville, Md.
Spangler, Roy W.....	Annville
Stein, Mary.....	Annville
Wood, Claire.....	Annville
Wolf, Anna.....	Annville
Zimmerman, May.....	Lebanon

## SUMMARY

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	287
Names repeated.....	55
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Total.....	232

## Degrees Conferred June 8, 1910

### BACHELOR OF ARTS

Bair, Grover Cleveland	Plummer, Charles W.
Bomberger, Harry K.	Plummer, Wilbur Clayton
Fleming, Mervin S.	Reun, Earle E.
Freed, Edith Nissley	Rutherford, F. Allen
Garrett, E. Myrtle	Seltzer, Lucy S.
Harnish, Wilber E.	Shaffer, Flcyd E.
Hoerner, Lena May	Strock, J. Clyde
Kohler, Fillmore Thurman	Weidler, Victor Otterbein
Musser, Mary B.	Yoder, Jesse T.

### DOCTOR OF DIVINITY

Rev. John Edward Kleffman, A. M.....	Red Lion, Pa.
Rev. R. R. Butterwick, A. M.....	Mountville, Pa.
Rev. George D. Gossard, A. M.....	Baltimore, Md.
Rav. S. C. Enck, A. M.....	Columbia, Pa.
Rev. W. F. Gruver.....	Martinsburg, W. Va.

### DOCTOR OF LAWS

Hon. Samuel J. M. McCarrell, Judge of the Courts,	Harrisburg, Pa.
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